

5. A nude mouse model according to claim 2 wherein said neoplastic tissue is obtained from human ovarian tissue.

6. A nude mouse model according to claim 5 wherein said human neoplastic ovarian tissue is implanted in the ovarian capsule of the mouse.

7. A nude mouse model according to claim 5 wherein said human neoplastic ovarian tissue is transplanted by securing to the surface of the mouse ovary at least two pieces of neoplastic tissue in close proximity to each other.

8. A nude mouse model according to claim 2 wherein said neoplastic tissue is obtained from human pleural tissue.

9. A nude mouse model according to claim 8 wherein said neoplastic tissue is implanted in the parietal pleura of the mouse.

10. A nude mouse model according to claim 9 wherein said neoplastic tissue is implanted in the visceral pleura of the mouse.

11. A method of generating a nude mouse model for human neoplastic disease, said method comprising:

transplanting histologically intact human neoplastic tissue of at least 1 mm<sup>3</sup> in size onto an organ of a nude mouse which corresponds to the human organ from which said tissue is originally obtained; and

allowing said transplanted tissue to grow and mimic progression of the neoplastic disease in the human donor.

12. A method of generating a nude mouse according to claim 11 wherein said human neoplastic tissue is selected from breast tissue, ovarian tissue or pleural tissue.

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